

The listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-4. (Cancelled)

5. (Currently Amended) A catalyst consisting essentially of at least one matrix that consists of alumina, silica, silica-alumina, clay, magnesia, titanium oxide, zirconium oxide, or boron oxide, rhenium, ~~at least one of cobalt or nickel,~~ ~~at least one group VI metal selected from the group consisting of molybdenum and tungsten,~~ optionally, at least one element from group VIIA, and ~~at least one element~~ phosphorus deposited on the matrix ~~selected from the group consisting of phosphorus, boron and silicon.~~

6-7. (Cancelled)

8. (Previously Presented) A catalyst according to claim 22, in which said group VIIA element is fluorine.

9. (Currently Amended) A catalyst consisting essentially of in weight % with respect to the total catalyst mass:

- 0.01% to 50% of rhenium;
- 0.01% to 99.7% of at least one matrix that consists of alumina;
- 0.01% to 50% of ~~at least one of cobalt or nickel;~~
- 0.01 to 20% of ~~an element~~ phosphorus deposited on the at least one matrix ~~selected from the group consisting of P, B, and Si;~~
- up to 15% of at least one group VIIA element.

10. (Previously Presented) A process for hydrotreating a hydrocarbon feed, comprising contacting a hydrocarbon feed with a catalyst according to claim 22.
11. (Cancelled)
12. (Previously Presented) A process according to claim 10, in which the hydrocarbon feed is selected from the group consisting of gasolines, gas oils, vacuum gas oils, residues which may or may not be deasphalted, paraffin oils, waxes and paraffins and said hydrocarbon feed may optionally contain at least one heteroatom such as sulphur, oxygen or nitrogen and at least one metal.
13. (Previously Presented) A process according to claim 10 performed prior to hydrocracking the hydrocarbon feed.
14. (Previously Presented) A process according to claim 10 wherein the catalyst has been sulphurised.
- 15-16. (Cancelled)
17. (Currently Amended) A catalyst according to claim 5 in which the group VIIA element is fluorine.
18. (Previously Presented) A process for the hydrotreating of hydrocarbon feeds, comprising contacting a hydrocarbon feed with a catalyst according to claim 9.
19. (Currently Amended) A process for the hydrotreating of hydrocarbon feeds, comprising contacting a hydrocarbon feed with a catalyst according to claim 5.
20. (Cancelled)

21. (Previously Presented) A process for the hydrotreating of hydrocarbon feeds, comprising contacting a hydrocarbon feed with a catalyst according to claim 17 30.

22. (Currently Amended) A catalyst consisting essentially of  
at least one matrix that consists of alumina,  
rhenium,  
~~at least one of cobalt or nickel,~~  
~~at least one group VI metal selected from the group consisting of molybdenum and tungsten,~~  
optionally, at least one element from group VIIA, and  
~~at least one element~~ phosphorus deposited on the matrix ~~selected from the group consisting of phosphorus, boron and silicon.~~

23-29. (Cancelled)

30. (Currently Amended) A catalyst comprising  
at least one matrix that consists of alumina, silica, silica-alumina, clay, magnesia, titanium oxide, zirconium oxide, or boron oxide,  
rhenium,  
~~at least one of cobalt or nickel,~~  
~~at least one group VI metal selected from the group consisting of molybdenum and tungsten,~~  
optionally, at least one element from group VIIA, and  
~~at least one element~~ phosphorus deposited on the matrix ~~selected from the group consisting of phosphorus, boron and silicon.~~